



Invitation
Technical Field Review of New Fault Trenching

New fault trenches on the northern Nephi segment, Wasatch fault zone, Utah

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Wednesday, August 3, 2005, meet at 10:00 a.m.

Meet at the trench site. Directions and map included below.

You are invited to attend a half-day technical field review of two fault trenches excavated across the Nephi segment of the Wasatch fault, east of Santaquin. The Utah Geological Survey excavated the fault trenches to develop detailed paleoseismic data for the northern part of the Nephi segment, in conjunction with trenches excavated earlier this year on the southern part by the U.S. Geological Survey. This informal field review will discuss trench results and provide an opportunity for geologists to provide technical comments and feedback on our interpretations of trench stratigraphy. This information will be published by the Utah Geological Survey to increase awareness of Utah's earthquake hazard and ultimately reduce Utah's earthquake risk.

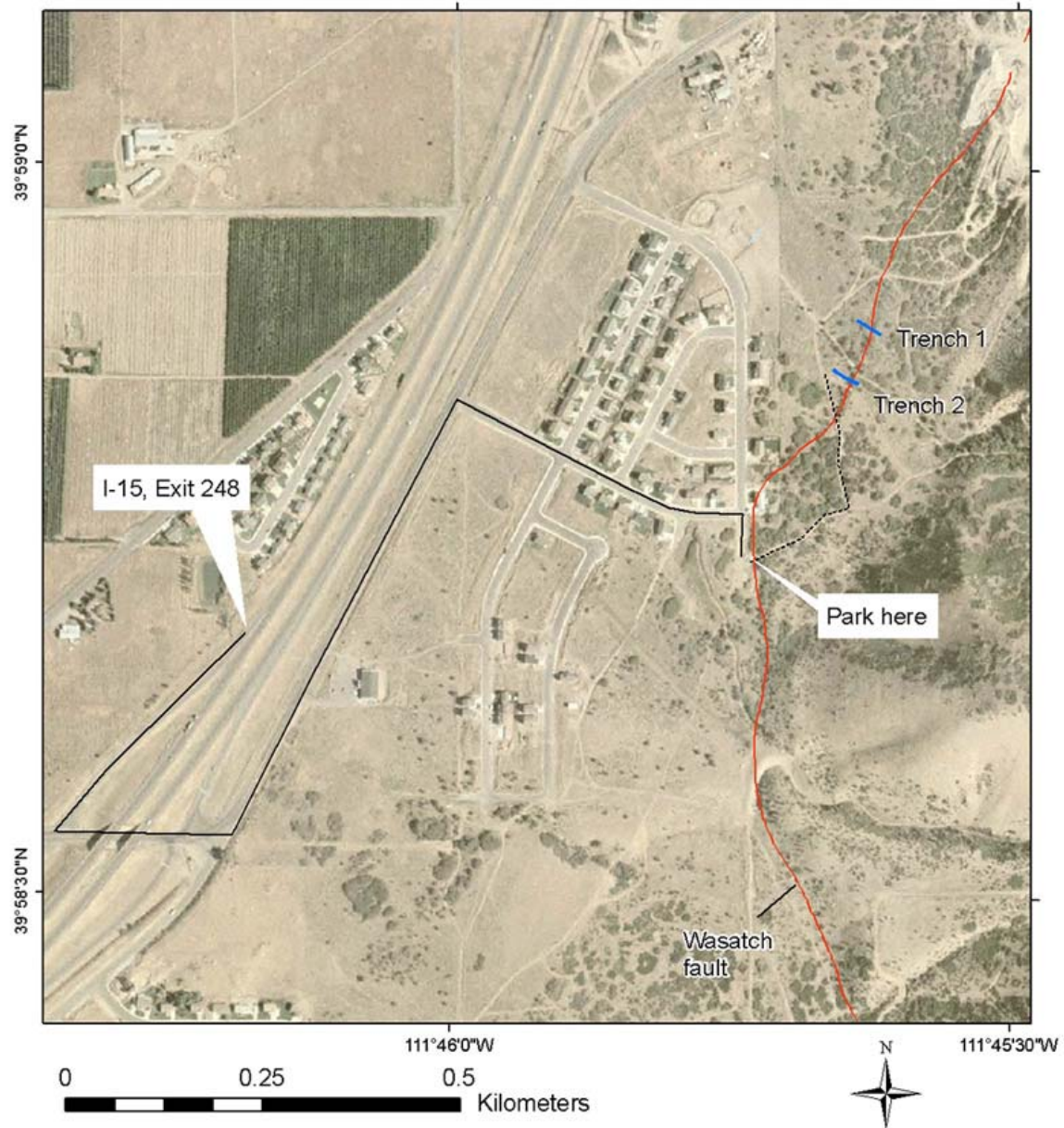
The motivation for trenching at the Santaquin site is that understanding the fault-rupture parameters (e.g., timing, displacement, and extent) for the northern part of the Nephi segment is critical to resolve the overall earthquake behavior of the Nephi segment. The new trench information will serve to refine fault-segmentation and seismic-hazard models for the Wasatch fault, and improve our understanding of fault segments as individual and combined seismic sources. Discussion topics will focus on Quaternary fault trenching techniques, stratigraphic evidence for surface-faulting earthquakes, and models of fault rupture and segmentation.

Information

- All interested geoscientists are invited – please circulate this notice among your colleagues.
- High-clearance or 4-wheel-drive vehicles are not required to reach the site.
- Be prepared for hot (bring plenty of water) and/or inclement weather, trench review will take place “rain or shine.”
- Review is expected to last about 2 hours; we’ll break for lunch around noon, so bring a lunch if you’d like to stick around for further discussion.

For additional information contact Chris DuRoss (e-mail: christopherduross@utah.gov) at the Utah Geological Survey, 1594 W. North Temple, Ste 3110, Salt Lake City, UT 84116; phone (801) 537-3348; fax (801) 537-3400.

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Directions: take Santaquin exit 248 from I-15. At the stop sign, turn left (east) and continue under the interstate and north on a frontage road for 0.4 miles. Turn right (northeast) into a residential subdivision (1st entrance) and continue ~0.25 miles southeast to dirt parking area. Please park here and walk along dirt Forest Service road east (uphill) 0.1 mi to a FS sign. Take the left fork downhill to the southern trench.